

Do Not Enter TDB 12/21/06

Appl. No. 09/914,773  
Amd. dated December 7, 2006  
Reply to Office Action of October 11, 2006

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A shelf stacking machine for storing and retrieving paper reels, which is movable in an aisle between storage positions on both sides that hold paper reels stored above one another and spaced apart in the longitudinal direction of the aisle, and has a fork for carrying paper reels,  
characterized in that said fork (1) is vertically pivotable around a horizontal axis (6) and comprises at least one measuring device (7) that detects the carrying load of a picked-up paper reel (P), said machine further comprising an actuator (8) coupled to said at least one measuring device to receive control data based on detected measuring data indicating the load carried by said fork, said actuator (8) being coupled to said fork (1) to vertically pivot said fork (1) into a horizontal position in accordance with the measuring data and to hold said fork in this horizontal position during transport of the paper reel.